PATENT COOPERATION TREATY

To: MICHAEL E. WHITHAM WHITHAM, CURTIS & CHRISTOFFERSON, PC 11491 SUNSET HILLS ROAD, SUITE 340 RESTON, VA 20190		PCT WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY		
		II I DICITI	(PCT Rule 43bis.1)	
		Date of mailing	09 DEC 2003	
Applicant's or agent's file reference		(day/month/year) FOR FURTHER ACTION See paragraph 2 below		
01640456TA International application No.	International filing date	 day/month/year	Priority date (day/month/year)	
PCT/US05/09348	22 March 2005 (22.03.2)	005)	22 March 2004 (22.03.2004)	
International Patent Classification (IPC)	or both national classificat	ion and IPC		
IPC(7): A01N25/00 and US Cl.: 424/84				
Applicant				
VIRGINIA TECH INTELLECTUAL PR	OPERTIES, INC.			
1. This opinion contains indications rela	ating to the following item	s:		
Box No. I Basis of the	opinion			
Box No. II Priority				
	shment of opinion with re	gard to novelty, inve	ntive step and industrial applicability	
	ty of invention	J.		
Box No. V Reasoned st	57			
	uments cited			
	ects in the international ap	plication		
	ervations on the internation	•		
BOX NO. VIII CEITAIN GOSC	civations on the meeting.	an application		
International Preliminary Examining	g Authority ("IPEA") ex the IPEA and the chosen	cept that this does IPEA has notified the	be considered to be a written opinion of the not apply where the applicant chooses an ie International Bureau under Rule 66.1bis(b) cred.	
IPEA a written reply together, where of Form PCT/ISA/220 or before the	e appropriate, with amend expiration of 22 months fr	ments, before the ex	PEA, the applicant is invited to submit to the piration of 3 months from the date of mailing whichever expires later.	
For further options, see Form PCT/IS	SA/220.			
3. For further details, see notes to Form	PCT/ISA/220.			
Name and mailing address of the ISA/ US	S Date of comple	tion of this opinion	Authorized officer	
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	<u> </u>	2005 (30.09.2005)	Sreeni Padrianatohan	
P.O. Box 1450 Alexandria, Virginia 22313-1450		ŕ	Telephone No. (571) 272-1600	

Facsimile No. (703) 305-3230 Form PCT/ISA/237 (cover sheet) (April 2005)

From the

International application No.	-	 	
PCT/US05/09 54 8	4	-	

Box No	o. I Basis of this opinion
1. With 1	regard to the language, this opinion has been established on the basis of:
\boxtimes	the international application in the language in which it was filed
	a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. With a invent	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed tion, this opinion has been established on the basis of:
a.	type of material
	a sequence listing
	table(s) related to the sequence listing
ъ.	format of material
	on paper
	in electronic form
e.	time of filing/furnishing
	contained in the international application as filed.
	filed together with the international application in electronic form.
	furnished subsequently to this Authority for the purposes of search.
	Tamone discourance is an including the same of the sam
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Addit	ional comments:
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International application. No. PCT/US05/093#8	
PCT/US05/093 #8"	
<i>I</i> C .	-

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
1. Statement					
Novelty (N)	Claims	30-34	YES		
Noverty (IV)		1-29, 35-38			
			VDC		
Inventive step (IS)		NONE			
	Claims	1-38	NO		
Industrial applicability (IA)	Claims	1-38	YES		
		NONE			
2. Citations and explanations:					
Please See Continuation Sheet					
		·			

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Supplemental Box
In case the space in any of the preceding boxes is not sufficient.

V. 2. Citations and Explanations:

Claims 30-34 meet the criteria set out in PCT Article 33(2)-(3), because no single prior art reference explicitly discloses a method for attracting termites with at least one beta-2,1-linked carbohydrate smaller than cellulose or a termite baiting station comprising the same and a housing with an opening for termite access to the composition.

Claim 1-38 meet the criteria set out in PCT Article 33(4), and thus meet industrial applicability because the subject matter claimed can be made or used in industry.

Claims 1-26, 28,35-38 lack novelty under PCT Article 33(2) as being anticipated by Hennart (US 4,189,475).

Hennart explicitly discloses a insecticide bait composition containing wheat flour (Column 7, examples 25,32). Wheat flour is ground grass and contains inulins, fructans and levans (See Catani et al. (US 5,998,177), column 1, lines 28-42; Scheibl (US 4,724,136), column 1, lines 34-38).

Claims 1-28,35-38 lack novelty under PCT Article 33(2) as being anticipated by Gould (US 4, 774,098).

Gould et al. explicitly disclose a wheat flour dough in which 60%-70% by volume of the flour has be replaced by modified nonwoody, lignocellulosic substrate (Column 2, lines 33-48). Wheat flour is ground grass and contains inulins, fructans and levans (See Catani et al. (US 5,998,177), column 1, lines 28-42; Scheibl (US 4,724,136), column 1, lines 34-38).

Claims 1-25, 28,29,35-38 lack novelty under PCT Article 33(2) as being anticipated by Theuer et al. (US 5,840,361).

Theuer et al. explicitly disclose a puree of Jerusalem artichokes (Column 10, lines 13-51). Said puree will contain inulins, fructans and levans (Theuer et al., column 11, lines 43-68, column 12, lines 1-25; See also Catani et al. (US 5,998,177), column 1, lines 28-42; Scheibl (US 4,724,136), column 1, lines 34-38).

Claims 1-28, 30-38 lack an inventive step under PCT Article 33(3) as being obvious over Thorne et al. (US 5,555,672) in view of Prestwich (US 4,455,441), Minagawa et al. (US 5,096,710), Gould et al. (US 4, 774,098). Catani et al. (US 5,998,177).

Thorne et al. disclose a termite bait station comprising a housing and termite food which is used to control termites (Column 2, lines 1-46).

Prestwich discloses that dried grass can be used as bait for termites (Column 16, lines 35-40).

Minagawa et al. disclose that wheat flours and powders are feeding attractants for termites (column 3, lines 23-39),

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Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Gould et al. disclose a wheat flour dough in which 60%-70% by volume of the flour has be replaced by modified nonwoody, lignocellulosic substrate (Column 2, lines 33-48). It is disclosed that wheat are grasses (Column 3, lines 23-46).

Catani et al. disclose that plants, such as wheat, contain fructans, such as inulins, a 2,1 linked fructan, and levans (Column 1, lines 28-42).

The difference between the prior art and the claimed invention is that the prior art does not expressly disclose a method of attracting termites comprising at lest one beta-2,1 linked carbohydrate which is smaller than cellulose and a bait station comprising the same in a housing with at least one opening through which termites may travel to reach the composition. However, the prior art amply suggests the same as the prior art discloses a bait station for control of termites containing a bait, that dried grass is a bait, that wheat is a grass, that wheat flour or wheat powder is an feed attractant for termites and a composition containing wheat flower and a modify lignocellulosic substrate. As such, it would have been well within the skill of and a skilled artisan would have been motivated to modify the prior art as above with the expectation that the composition containing wheat flour and modify lignocellulosic substract would be a feeding attractant for termites and that the same would contain inulin, a 2,1 linked fructan.

NOTESTO FORM PCT/IS 4/120

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between the 2 Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant 2 Guide, a publication of WIPO.

In these Notes, "Article," "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative. Instructions, respectively

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant hits, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international pre-emmary examination procedure, there is usually no need to file; mendments of the claims under Article 19 except where $\pm g$ the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amen any the claims before international publication forthermore, it should be emphasized that provisional protection is as a table in some States only

What parts of the international application may be amended?

Under Article 19, only the claims may be amended

During the international phase, the claims may also be amended (in further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Preliminary Examining Authority.

Opon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41

When? Within 2 months from the date of transmittal of the international seatch report or 46 months from the priority date, whichever time limit expires later. It should be noted, nowever, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the rechnical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bareau and not with the receiving Office or the International Searching Authorit (Rafe 46.2)

Where a demand for international preliminary examination has been/is filed, see below

How the change of the claims as filed.

A replacement sheet must be submitted for each sheet of the Basins which, on account of an amendment or imendments differs from the sheet originally filed

All the claims appearing on a replacement sheer must be transhered in Arabic numerals. Where a claim is carrielled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What docume@ts must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English: if the language of the international application is French, the letter must be in French.